

## **ABSTRACT**

A receiver, implemented with low noise and low distortion, to process an input signal containing signals of interest and unwanted interference signal. In an embodiment, the receiver contains a mixer which generates an intermediate signal in the form of an electric current, and a filter which filters the unwanted interference signals from the intermediate signal. The intermediate signal is centered around a lower frequency compared to a carrier frequency of the input signal. Due to the current mode interface between the mixer and the filter circuit, low noise and low distortion may be attained.